

In each part, an invertible function  $f$  will be defined. For each function, find its inverse.

**Exercise 1**  $f(x) = 5x + 3$

$$f^{-1}(x) = \boxed{\frac{x-3}{5}}$$

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**Exercise 2**  $f(x) = \frac{x-4}{7} - 2$

$$f^{-1}(x) = \boxed{7(x+2)+4}$$

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**Exercise 3**  $f(x) = \sqrt[3]{3-x} + 1$

$$f^{-1}(x) = \boxed{3 - (x-1)^3}$$

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